

OCT 17 2005

PTO/SB/21 (09-04)

 Approved for use through 07/31/2008. OMB 0651-0031
 U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

9

Application Number

09/599,038

Filing Date

June 21, 2000

First Named Inventor

Esmail Yousefi

Art Unit

2688

Examiner Name

Nghi H. Ly

Attorney Docket Number

22-0134C

ENCLOSURES (Check all that apply)
☒ Fee Transmittal Form (dupl.)

☐ Fee Attached

☒ Amendment/Reply

☒ After Final

☐ Affidavits/declaration(s)

☐ Extension of Time Request

☐ Express Abandonment Request

☐ Information Disclosure Statement

☐ Certified Copy of Priority Document(s)

☐ Reply to Missing Parts/Incomplete Application

☐ Reply to Missing Parts under 37 CFR 1.52 or 1.53

☐ Drawing(s)

☐ Licensing-related Papers

☐ Petition

☐ Petition to Convert to a Provisional Application
☐ Power of Attorney, Revocation
☐ Change of Correspondence Address

☐ Terminal Disclaimer

☐ Request for Refund

☐ CD, Number of CD(s)

☐ Landscape Table on CD

☐ After Allowance Communication to TC

☐ Appeal Communication to Board of Appeals and Interferences

☐ Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)

☐ Proprietary Information

☐ Status Letter

☐ Other Enclosure(s) (please identify below)

Remarks

Transmitted by FAX to (571) 273-8300

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Northrop Grumman Space Technology		
Signature	/Noel F. Heal/		
Printed name	Noel F. Heal		
Date	October 16, 2005	Reg. No.	26,074

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature	/Noel F. Heal/		
Typed or printed name	Noel F. Heal	Date	October 16, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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OCT 17 2005

PTO/SB/17 (12-04v2)

Approved for use through 07/31/2006. OMB 0851-0032
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004,
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL**
For FY 2005☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 120.00

Complete if Known

Application Number 09/599,036

Filing Date June 21, 2000

First Named Inventor Esmail Yousefi

Examiner Name Nghi H. Ly

Art Unit 2686

Attorney Docket No. 22-01346

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify):☒ Deposit Account Deposit Account Number: 14-1325 Deposit Account Name: Northrop Grumman Corp.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES**Fee Description**

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Fee (\$)	Small Entity Fee (\$)
50	25
200	100
360	180

Total Claims Extra Claims Fee (\$)

5 - 20 or HP = 0 x 0 = 0

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims Extra Claims Fee (\$)

4 - 3 or HP = 0 x 0 = 0

HP = highest number of independent claims paid for, if greater than 3.

Multiple Dependent Claims
Fee (\$)**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$)

- 100 = / 50 = (round up to a whole number) x = Fee Paid (\$)

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Extension of time (first month)

Fees Paid (\$)

120.00

SUBMITTED BY

Signature	/Noel F. Heal	Registration No. (Attorney/Agent)	26,074	Telephone (310) 812-4910
Name (Print/Type)	Noel F. Heal			Date October 16, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Docket No. 22-0134C

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**RECEIVED
CENTRAL FAX CENTER****OCT. 17 2005**

In re application of:

Esmaell Yousefi et al.

Appln. No.: 09/599,036

Filed: June 21, 2000

For: BEAM LAYDOWN FOR HOPPED
SATELLITE DOWNLINK WITH
ADAPTABLE DUTY CYCLE

Examiner: Nghi H. Ly

Group Art Unit: 2686

CERTIFICATION OF FACSIMILE TRANSMISSIONI hereby certify that this correspondence is being facsimile transmitted to the Patent and
Trademark Office (FAX No. 571-273-8300) on October 18, 2005.Noel F. Heal/Noel F. Heal/

Signature

AMENDMENT AFTER FINAL REJECTIONCommissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Office action dated June 16, 2005 and the Advisory Action
dated September 19, 2005, please amend the above-identified application as indicated
on the following pages.

10/19/2005 TL0111 00000006 141325 09599036

01 FC:1251 120.00 DA